NOvA Operations Status

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Detector Operations

Running FarDet at an increased gain (Now 150, previously 100)
Increases our sensitivity to lower-energy hits.
Currently no plans to go back to a gain of 100.

Should finish tying in NearDet Booster trigger today

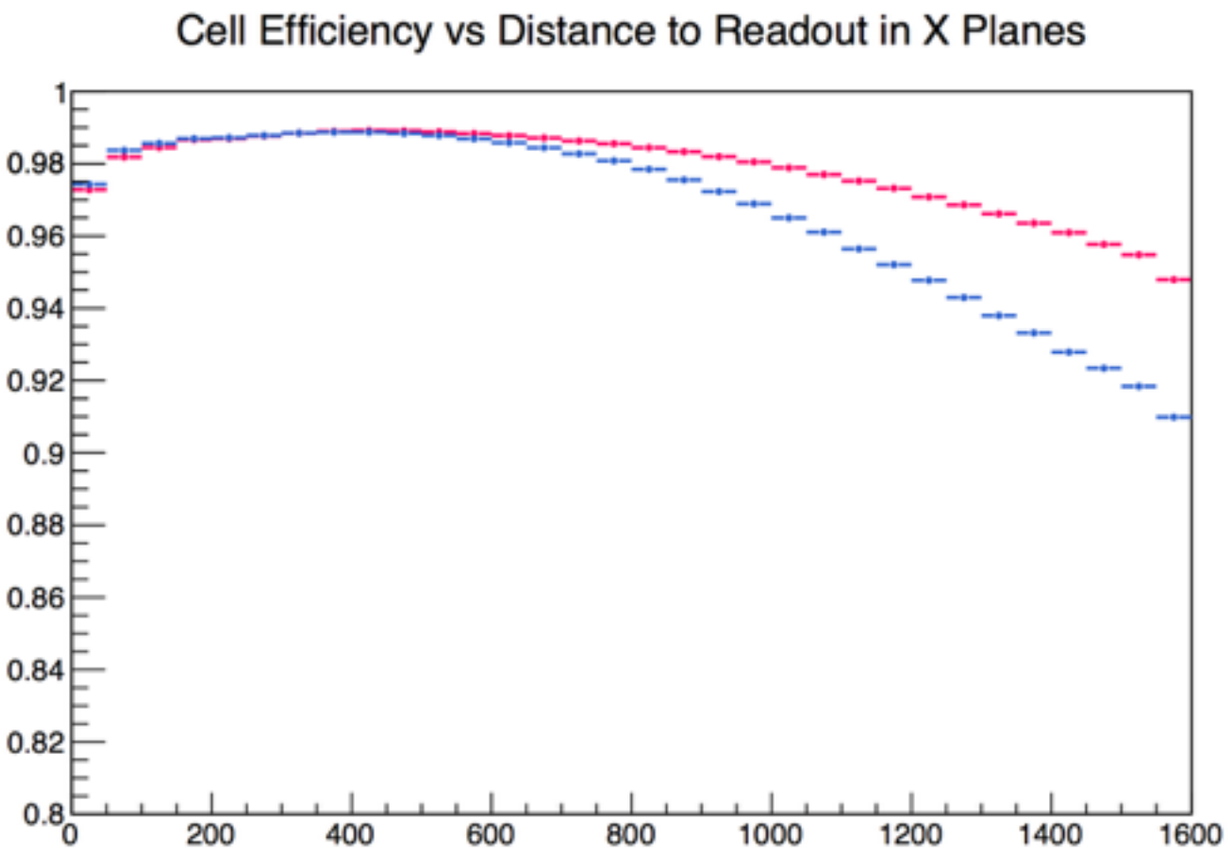
FarDet running at ~98% efficiency since start of beam
Scant downtimes due to DAQ instabilities; are investigating.

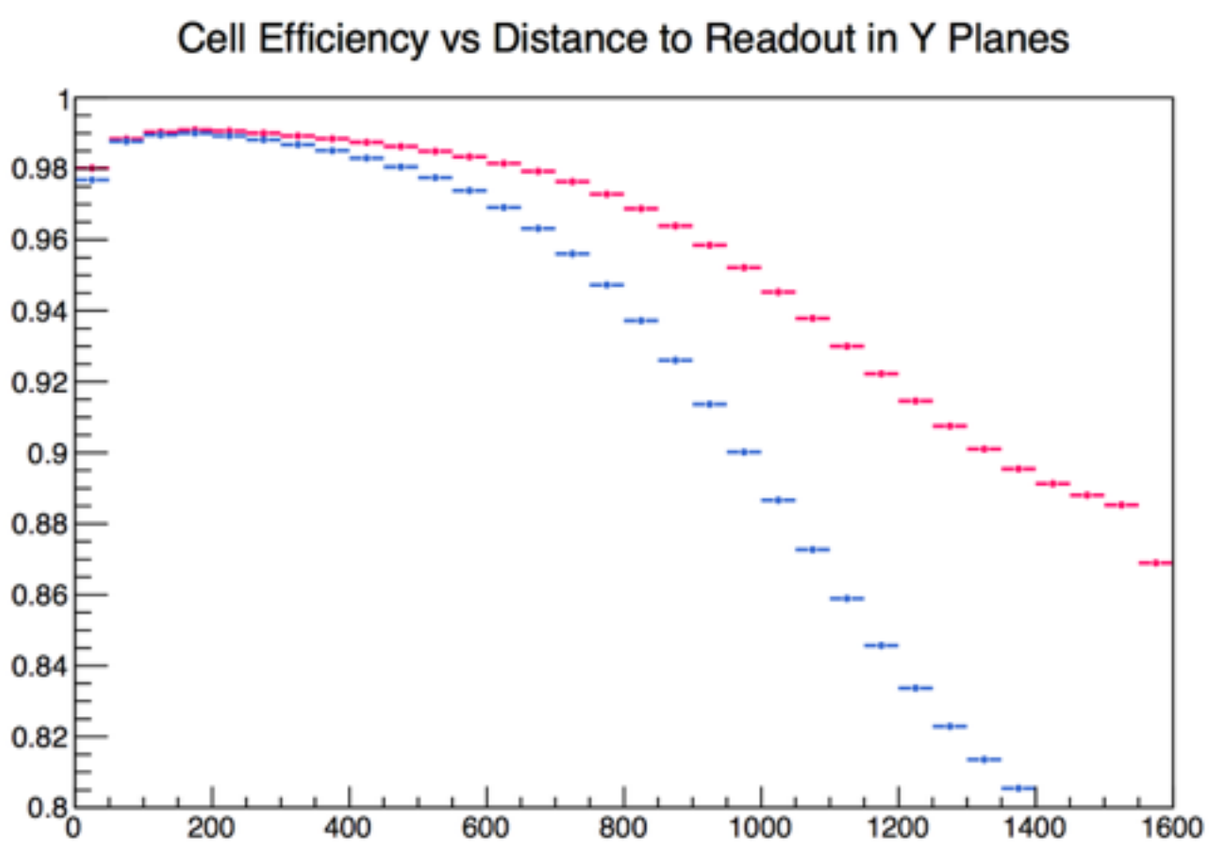
Only ~2 hours NearDet downtime since start of beam

- Was due to shifter errors; have spoken with the shifters; clarified points in shifter webpage/bulletin.
- Longer downtime prior to beam (~8 hours): several issues, original cause traced to a software timing desync and a bad config. file value.

Many thanks to AD for their work!

Running at high gain gives demonstrable improvement in cell hit efficiency



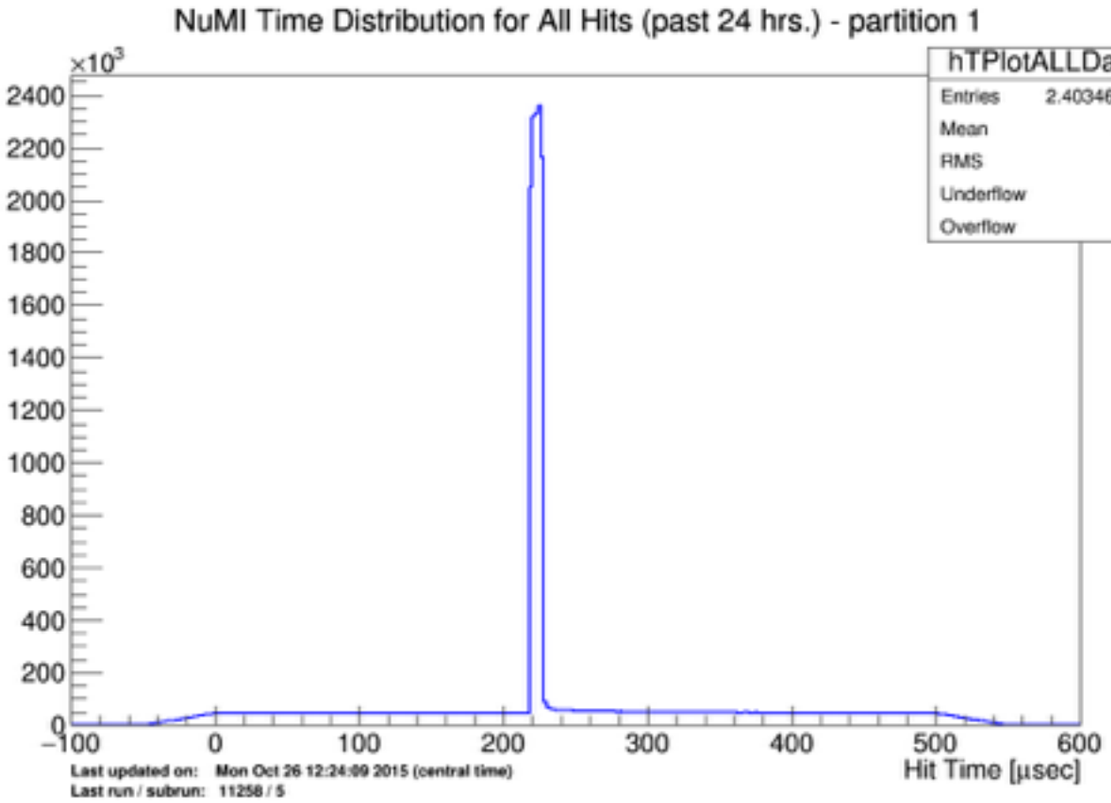


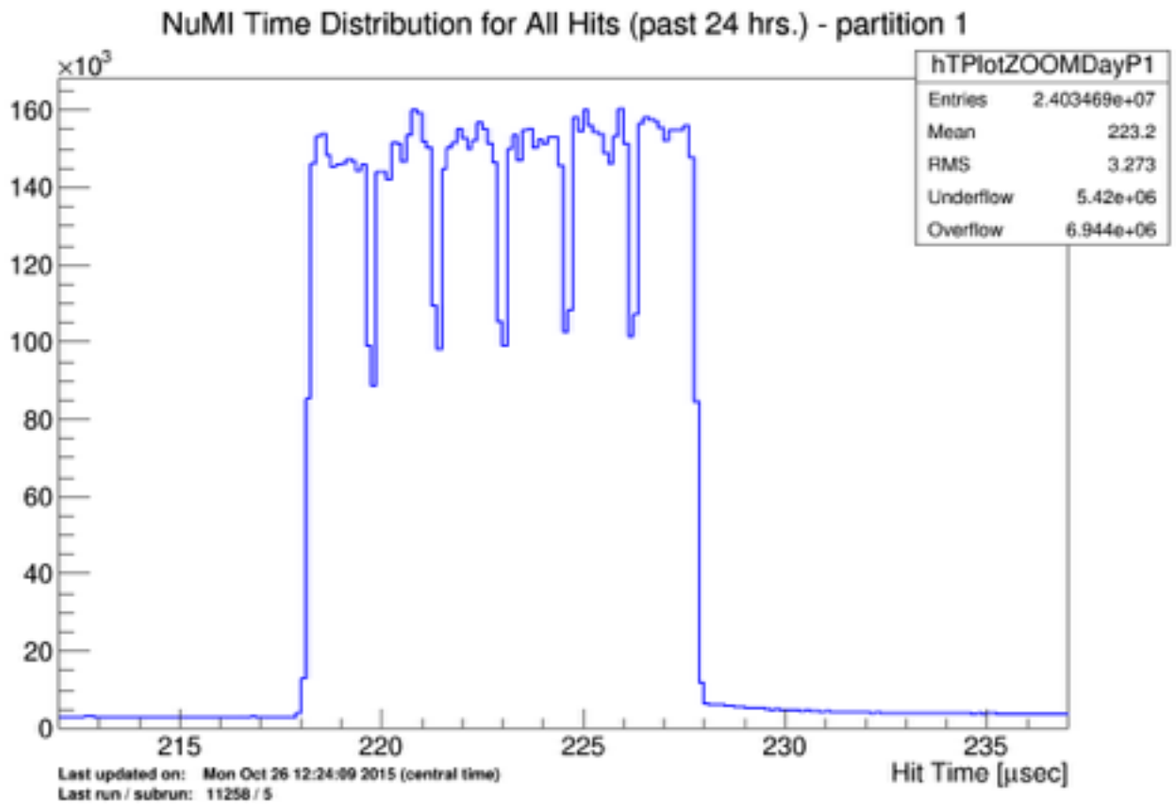
Blue - gain 100 data

Red - gain 150 data

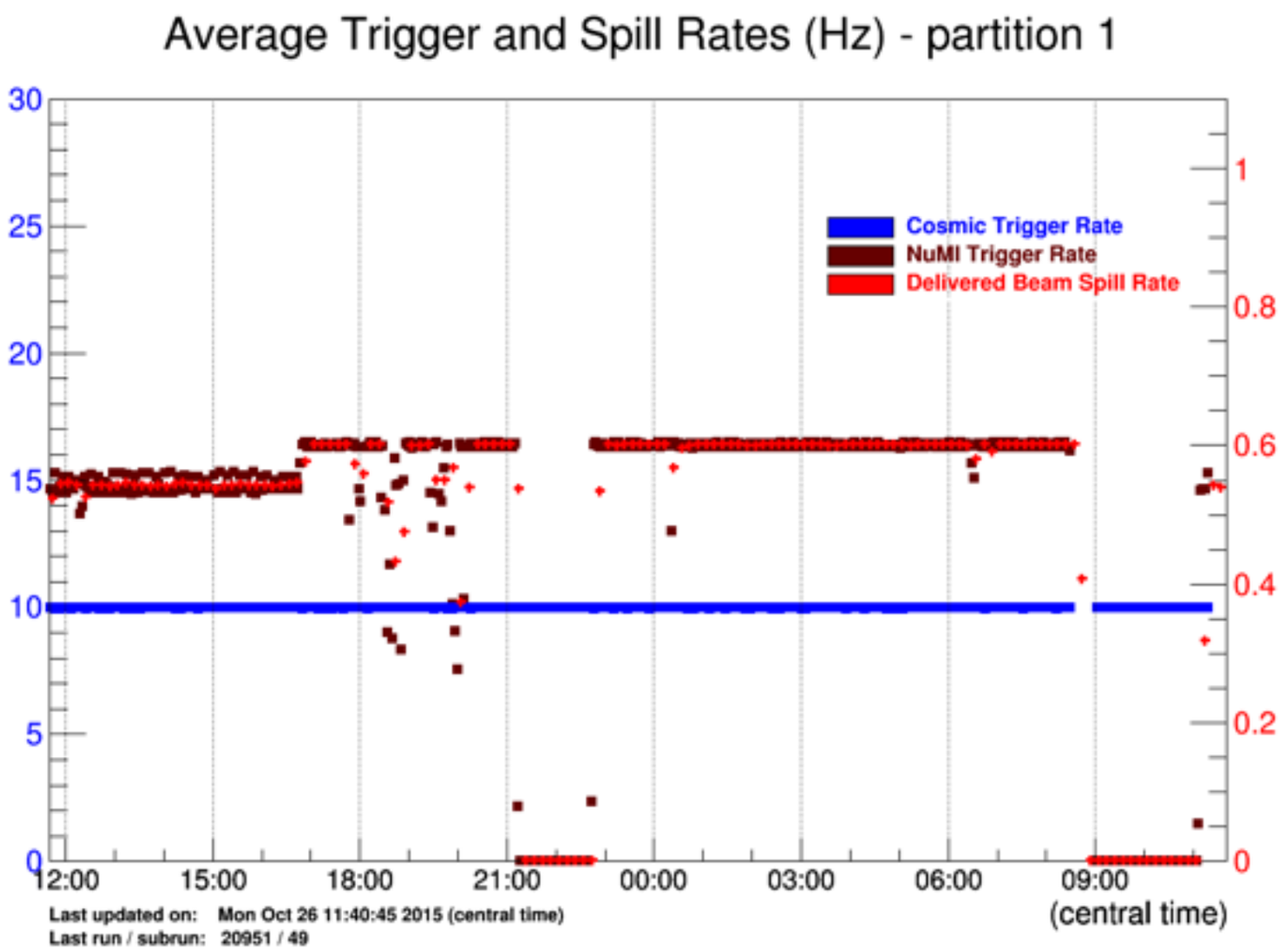
Significant gains seen in efficiency (esp. at far end of y-view cells)

NearDet: Timing peak looks great: six booster batches clearly visible!

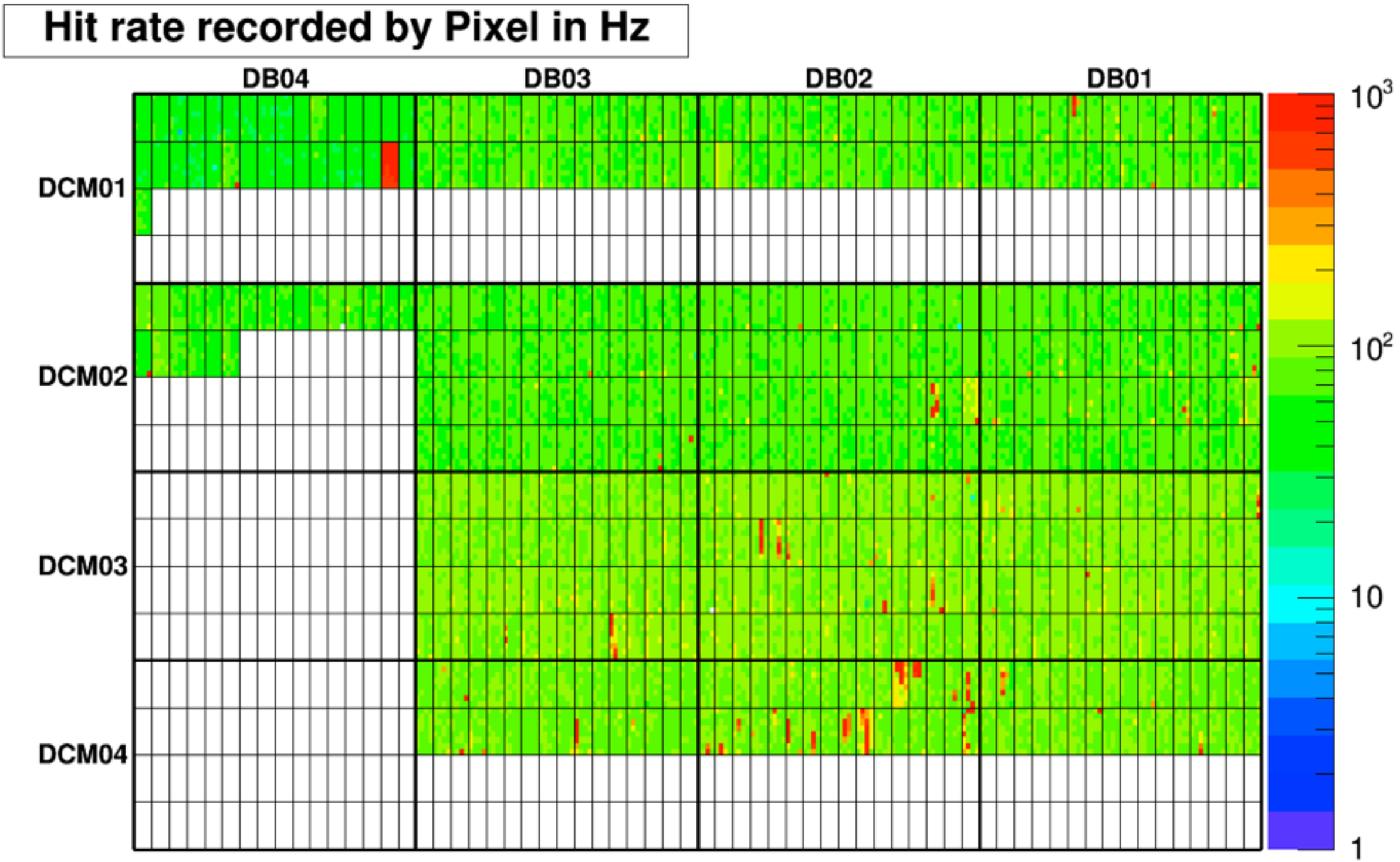




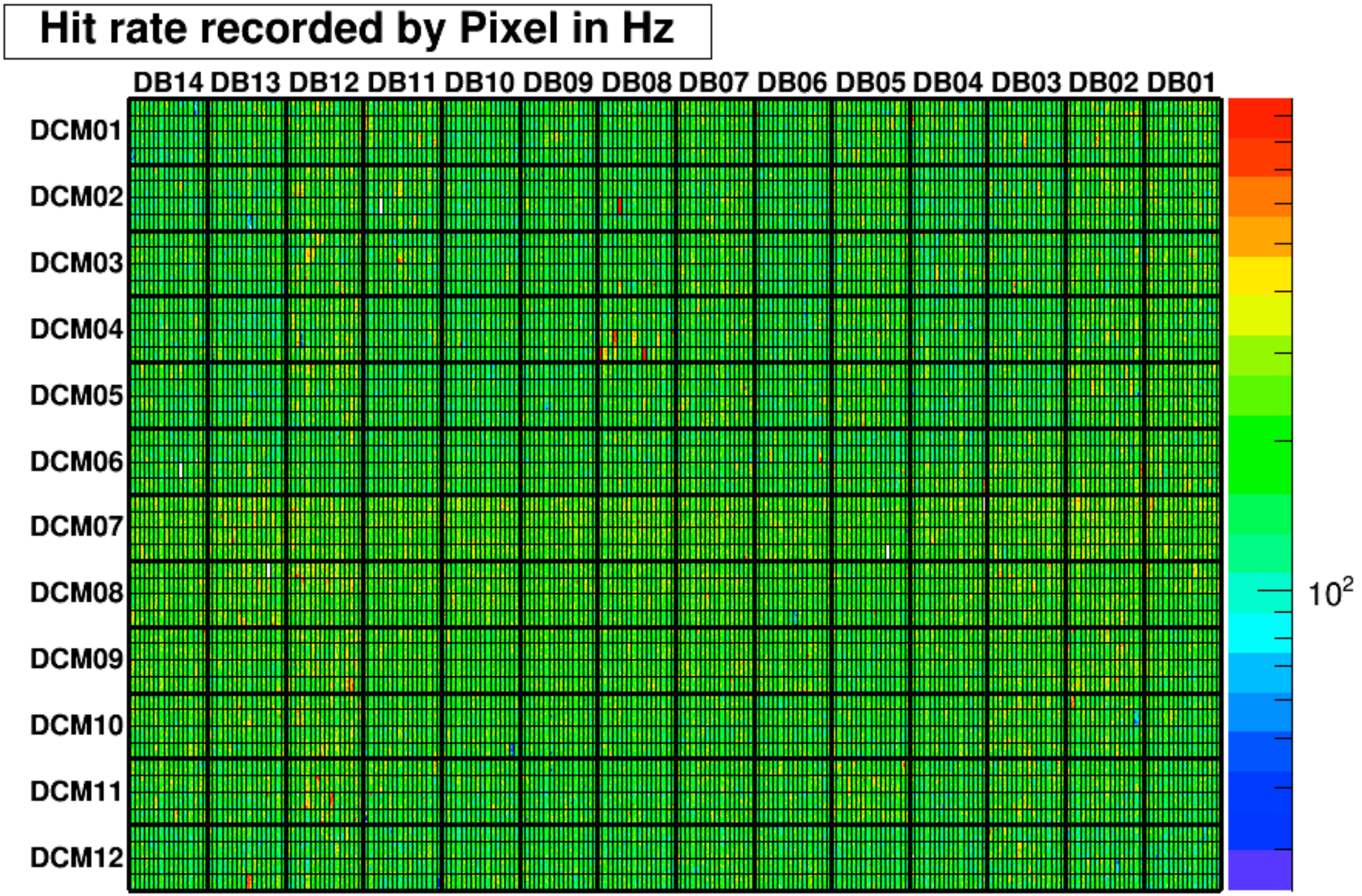
FarDet: Happily recording NuMI trigger events



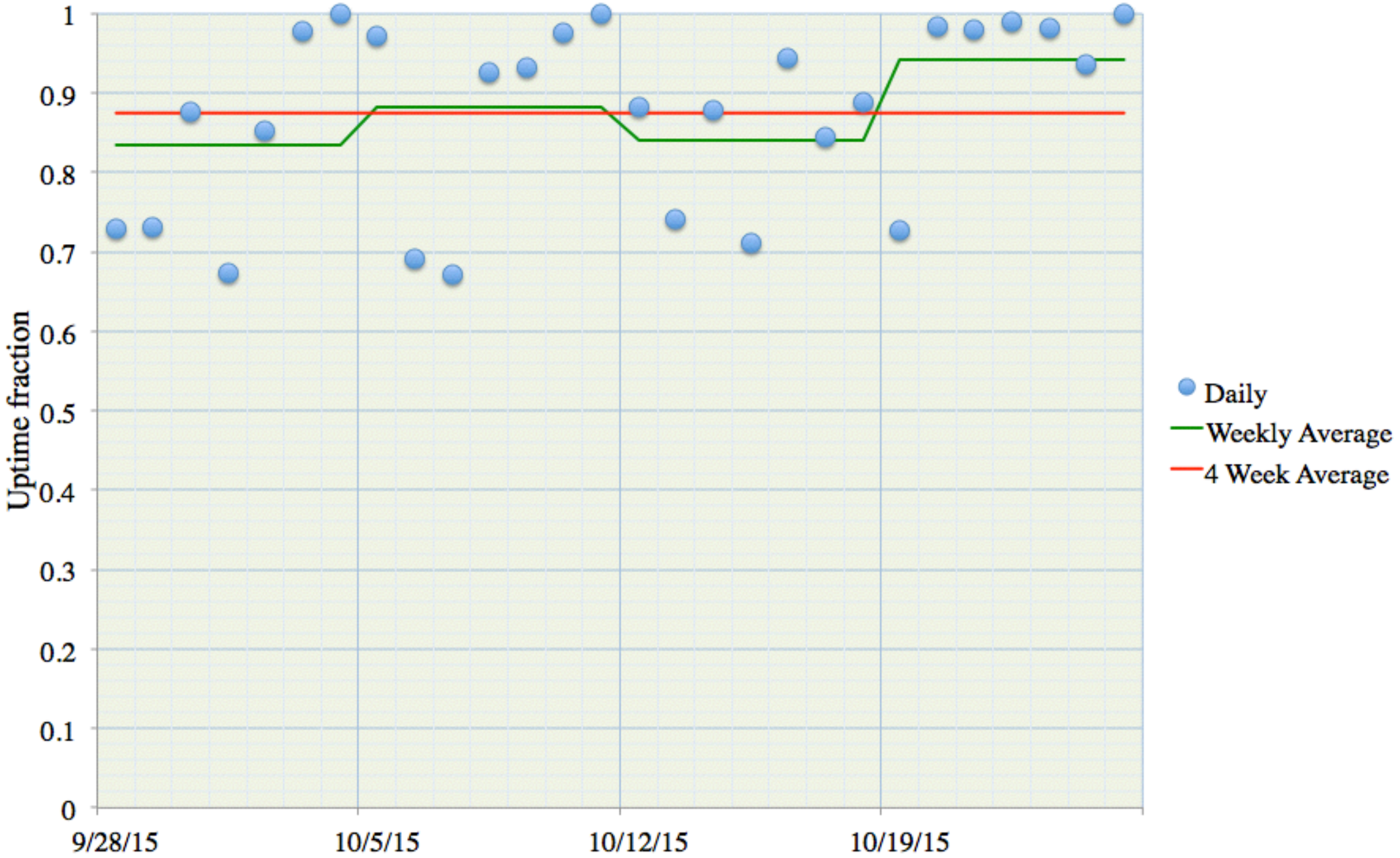
NearDet FEB Hit Rates (by pixel)



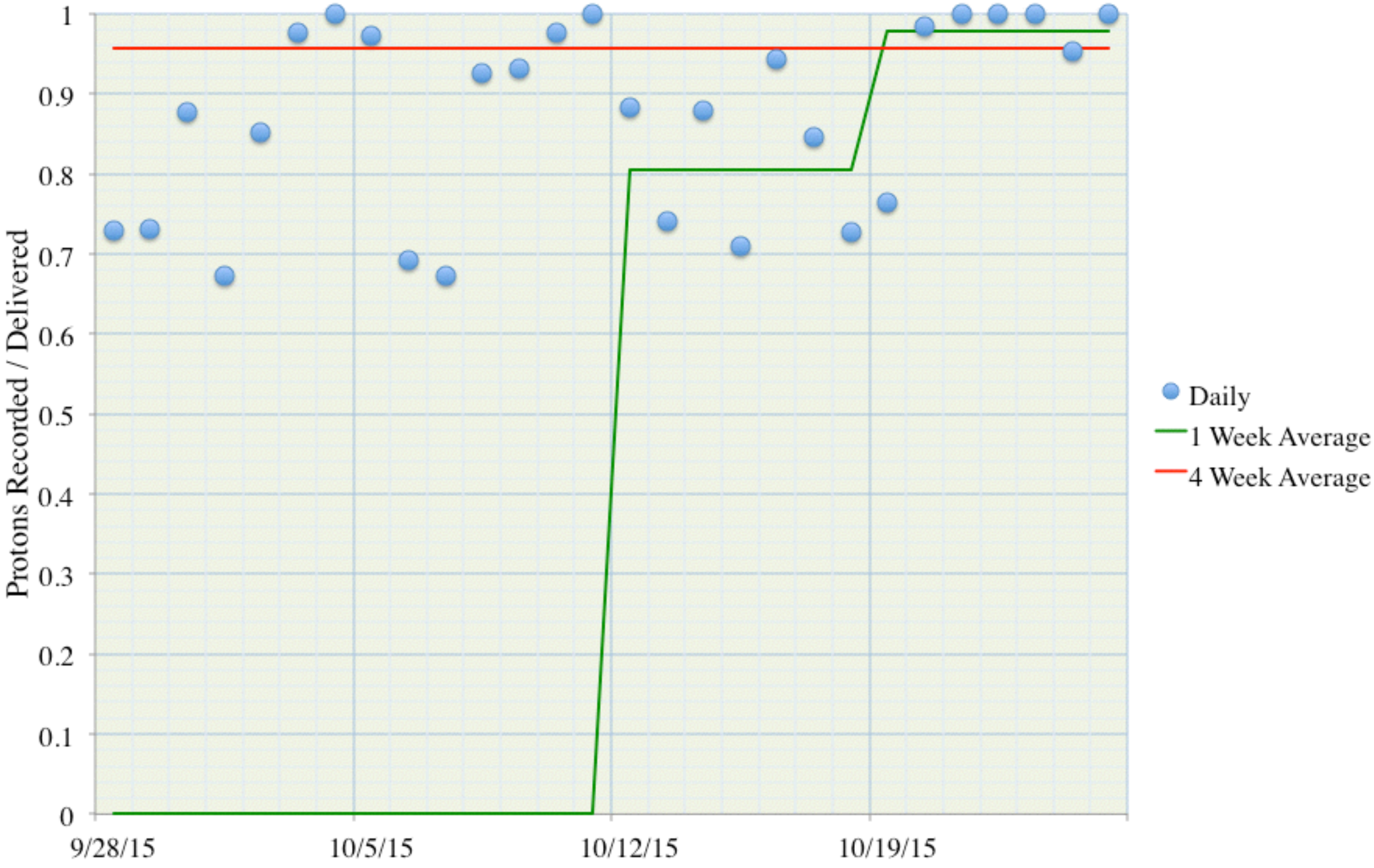
FarDet: FEB Hit Rates (by pixel)



FD: Uptime fraction



FD: Protons Recorded / Delivered



FD: Accumulated POTs